APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Overvoltage During the Evolution of Chlorine,
by G. Kennthek.

RUSSIAN, per, Zhur Fiz Khim, Vol XXK, No 12,
1956, p 2812.

MLL M. 3659

Gal - Chim

Aug 52

20/155

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Kinetics of Reactions at the Surfaces of Solids and the Problem of the Catalyst of Maximum Activity, by M. I. Temkin.

RUSSIAN, per, Zhur Fiz Khim,
Vol XXXI, No 1, 1957, pp 3-26.

CSIRO

Sci - Chem

186,367

Feb 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Study of the Atomic-Molecular Structure of Certain Oxides by the Method of Radial Distribution, by N. A. Shishakov.
USSR, Zh. fiz. khim., Vol XXXI, No 1, 36, 37, 41, 1957. 9230450
AEC-SC-T-65-744

Sci-Elect
Dec 65

3
292,322

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Relation Between Changes in Temperature, Pressure, and Composition of Binary Azeotropes, by A. V. Storonkin, A. G. Morachevskiy,

RUSSIAN, Par, Zhur Fiz Khim, Vol XXXI, No 1, 1957, pp 42-48.

AMS RJ-2178

Sci - Chem

May 60

115 447

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Mechanism of Metal Corrosion in Narrow Clearances and Crevices,
by I. L. Rozenfel'd and I. K. Marshakov.
RUSSIAN, per, Zhurnal Fizicheskoo Khimii, 1957, Vol 31, No 1, pp 72-82.
MIL RTS 2394
CFSTI TT 64-19936.

Aug 65 287,002

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

[redacted]

The Dynamic Method of Determining Metal Vapor Pressures, by S. P. Detkov, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 1, 1957, pp 83-92. 9207840

PL-480
OTS 63-11097

230,371

Sci - Physics
Jun 63
IPST No 903

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Role of Catalytic Carbonization in the Dehydrogenation of N-Butane, by I. Ya Tarayev, A. M. Rubinin, 10 pp.

RUSSIAN, magazine, Zhur Fiz Khim USSR, Vol XXXI, No 1, 1957, pp 93-99.

SLA 59-15304
ATS 57-840

Dec 59
Vol 2, No 4

102,779

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Study of the Polymerization of p-Tert.-Butylphenyl Methacrylate, by O. K. Breslet, T. V. Shvenkerru, S. Y. Frenkel, M. O. Chernevskaya, 9 pp.

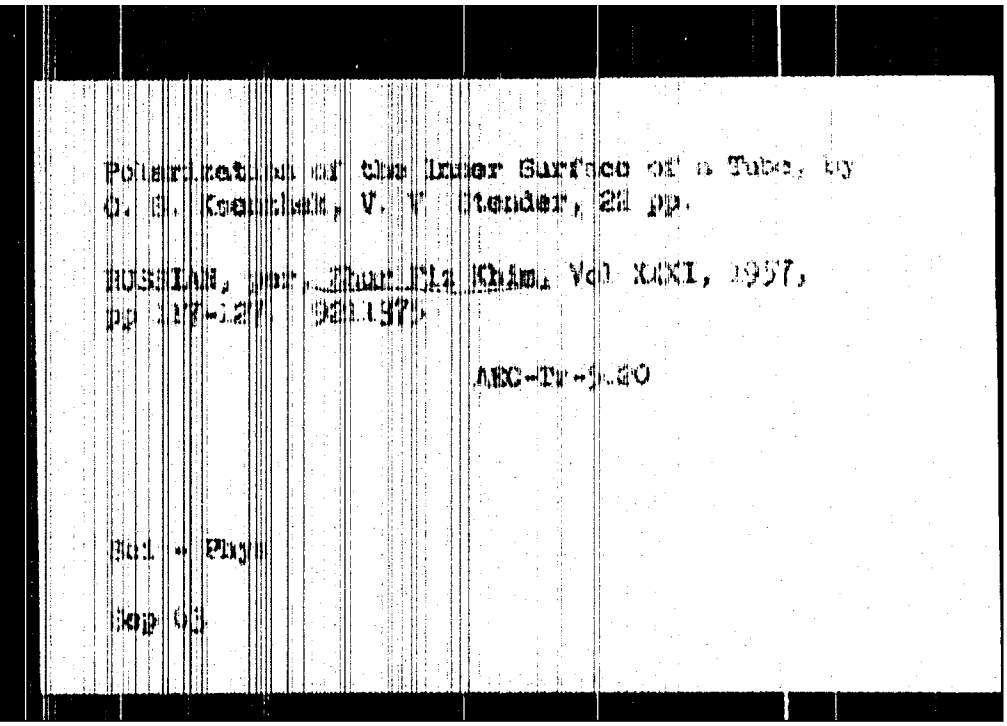
RZHIMAN, ptr, Zhur Fiz Khim, No 1, 1957, pp 109-111.

Assoc Tech Serv-93[illegible]6R

Sec.
Jun 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Polarization at the Inner Surface of a Tube, by
O. E. Krasnikov, V. V. Tikhonov, 21 pp.

Moscow, Zhur. Fiz. Khim. Vol XXXI, 1957,
pp 1178-1187 (Russian)

AEC-Tr-3480

Card 1 Pt 1

Sep 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Kinetics Of Dehydrogenation Of Alcohols by A.A. Balandin and S.L.Kipperman.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol XXXI, No 1, 1957, pp 139-149.

CSIRO

Oct. 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Mechanism of Flotation. Fixing of Particles on Boundary Between Water and Air Bubbles, by Z. V. Volkova, 11 pp.

RUSSIAN, per. Zhur Fiz Khim, Vol IX, 1957, pp 182-189.

SLA R-3317

Sci
Jul 59

93035

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Effect of Internal Diffusion on the Course of a Heterogeneous Catalytic Reaction Retarded by the Reaction Product, by V. M. Cherednichenko, et al.

[illegible], per, Zhur Fiz Khim, Vol XXXI, No 1, 1957, pp [illegible] 157-164.

CSIRO

Ref. - 12cm

181, 678

Mar 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

[redacted]

On the Nature of 'Secondary' Potentials in Fused Salts, by L. M. Antipin, Yu. B. Kholmanskikh.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 232-237.

(Consultants Customs Tr
CCF-240B
$31.50

TT-64-30076

Sci - Chem

K-H

Mar 59

83,468

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Kiselev, A. V. and El'tekov, Yu. A.
ABSOLUTE ADSORPTION ISOTHERMS OF NORMAL- AND CYCLOPENTANE VAPOURS ON QUARTZ AND SILICA GELS. [1961] [15]p. 41 refs. C. E. Trans. 1946 [DSIR LLU] M.4017.
Order from OTS or SLA $1.60 61-28189

Trans. of Zhurnal Fizicheskoi Khimii [11] (USSR) 1957
v. [31] no. [ ] p. 258-262

DESCRIPTORS: *Hydrocarbons, *Cyclopentanes, Pentanes, Vapors, Adsorption, *Quartz, Powders, *Silicon, Compounds, Dioxides, *Gels, Adsorbents.

By a vacuum capillary microburette method adsorption isotherms were determined for n-pentane and cyclopentane on quartz powder and silica gels of different structural types and the absolute and derived adsorption isotherms calculated. The absolute adsorption isotherms of pentane on quartz coincide with the abso- (Continued) -physical, TT, v. 6, no. 12) (over)

61-28189

I. Kiselev, A. V.
II. El'tekov, Yu. A.
III. CE Trans-1946
IV. DSIR LLU M.4017
V. Central Electricity Generating Board (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Theory of the Cascade for the Separation of Binary Mixtures of Isotopes, by O. K. Davtyan, 12 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 283-290.

AEC TGRL-T/CA 70

Sml - Phys

Oct 58

74,590

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

[redacted]

The Physicochemical and Electrical Properties of the System TiO_2-ZrO_2, by Y. M. Kmendzov, V. G. Prokhvatilov, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 2, pp 321-327, 1957.

Assoc Tech Serv 63J16R
ATS 63J-355

Sci - Chem
Aug 58

70,605

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

On the Mechanism of Metal Corrosion Under Thin Layers of Electrolytes, by L. L. Rozenfel'd and T. I. Pavlutskaya.
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, 1957, Vol 31, pp 328-339.
NLL FTS 2395 (On Loan or Purchase)
CFSTI TT 65-60361

Aug 65 288,368

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

[redacted]

Study of the Transformation Sequence of the Principal Intermediate Products of the Liquid-Phase Oxidation of Cyclohexane by the Method of Labeled Atoms, by I. V. Berezin, L. S. Vartanyan, B. A. Dogadkin, N. P. Kazanskaya, N. M. Emanuel, 13 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 340-345.

ATS 96J17 R

Sci - Chem, Nuclear Phys

Oct 60

129,778

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Determination of Heat of Transition in Cerium Under Pressure, by M. G. Gonikberg, G. P. Shakhovskoy, V. P. Butuzov, 7 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 2, 1957, pp 350-353.

AEC Tr 3222

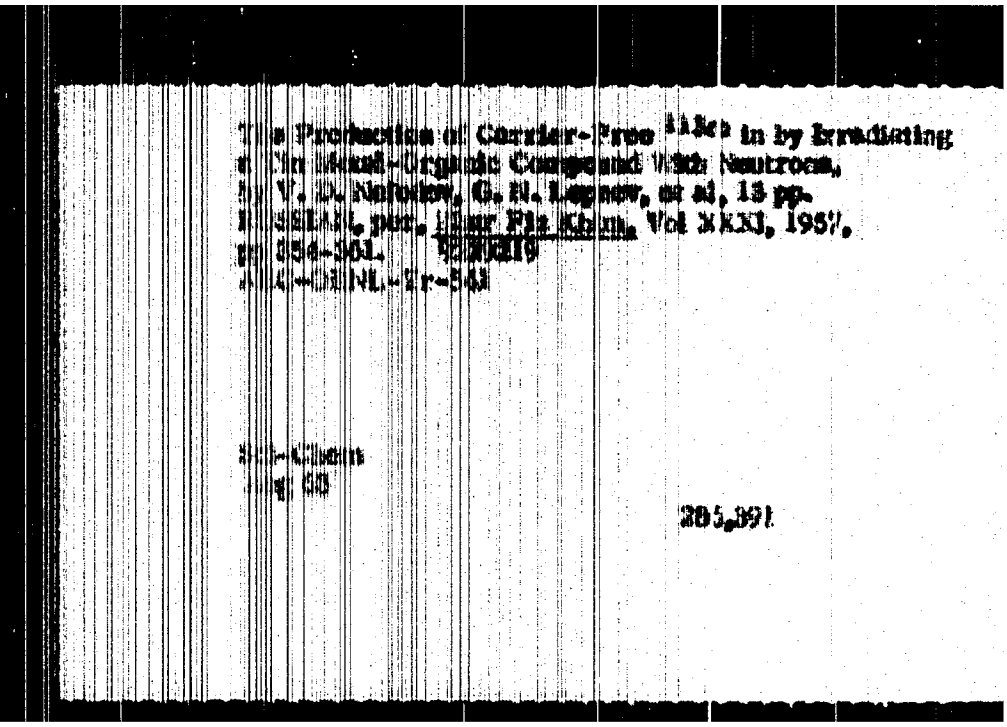
Sci - Phys

May 58

64,814

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



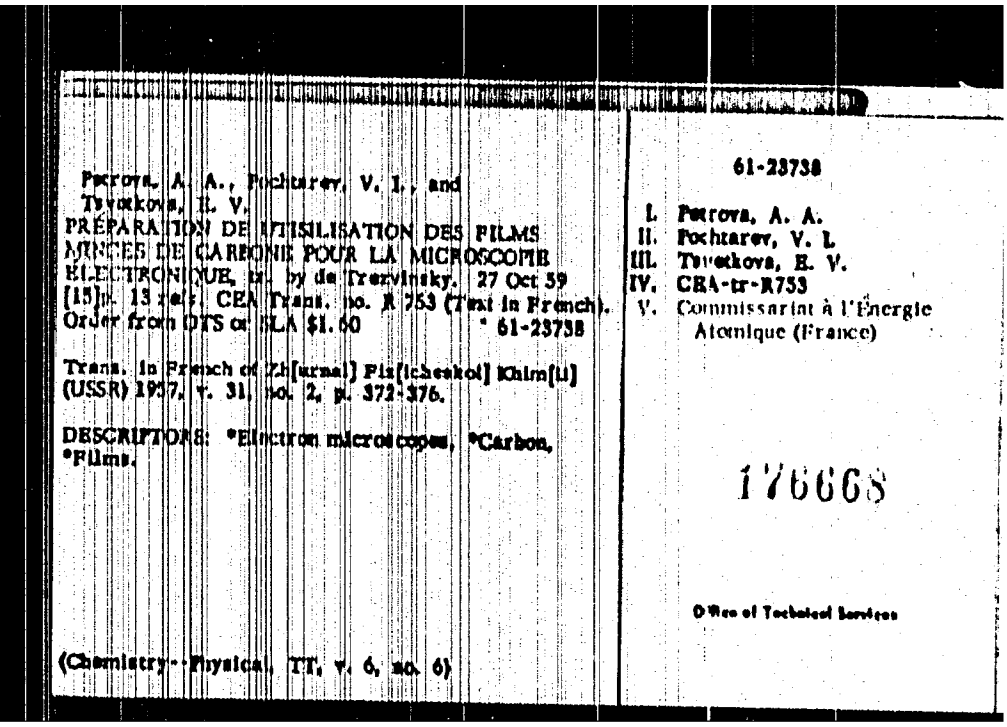
The Production of Carrier-Free [illegible] in by Irradiating
[illegible] Metal-Organic Compound With Neutrons,
by V. M. Kulakov, G. N. Lagunov, et al, 13 pp.
[illegible] per, Zhur Fiz Khim, Vol XXXI, 1957,
pp 856-861.
[illegible]-Ir-543

[illegible]-Klimm
[illegible] 60

205,091

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Petrova, A. A., Pochtarev, V. I., and Tsvetkova, E. V.
PREPARATION DE L'UTILISATION DES FILMS MINCES DE CARBONE POUR LA MICROSCOPIE ELECTRONIQUE, tr. by de Trevinsky. 27 Oct 59 [15]p. 13 refs. CEA Trans. no. A 753 (Text in French). Order from OTS or SLA $1.60 * 61-23738

Trans. in French of Zh[urnal] Fiz[icheskoi] Khim[ii] (USSR) 1957, v. 31, no. 2, p. 372-376.

DESCRIPTORS: *Electron microscopes, *Carbon, *Films.

(Chemistry--Physical, TT, v. 6, no. 6)

61-23738

I. Petrova, A. A.
II. Pochtarev, V. I.
III. Tsvetkova, E. V.
IV. CEA-tr-A753
V. Commissariat à l'Energie Atomique (France)

176668

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Liquid-Phase Oxidation of Hydrocarbons
in the Presence of Liquid Tetramethyl
Lead, by G. S. Shishmarev, I. V. Berlin,
15 pp.
[illegible], perj Zhurnal Fizicheskoi Khimii,
Vol 31, No 2, 1957, pp 307-[illegible].
AEA Tr-65-10326

336,222

3:1
Aug 67

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Effect of Temperature and Pressure on the Composition of Ternary Azeotropes, by A. V. Storonkin

RUSSIAN, Zhur Fiz Khim, Vol XXXI, No 2, 1957, pp 395-402.

ASTIA RJ-2179

Sci - Chem

May 60

115 445

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Theory of Ion Exchange Dynamics. IV. Equation of Motion of a Steady Front, by V. V. Rachinskiy, 14 pp.

RUSSIAN, Zhur Fiz, Khim, Vol XXXI, 1957, pp 444-451.

AEC/HP-147

Eng - Phys

Nov 58

76.459

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Smirnov, M. V. and Ivanovskii, E. E.
THE DECOMPOSITION POTENTIAL OF FUSED LEAD AND THORIUM CHLORIDES. [1963] 12p (figs omitted)
Order from K-H $1.00 K-H-8024-b

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1957, v. 31 [no. 3] p. 467-473.

DESCRIPTORS: *Chlorides, *Thorium compounds, *Lead compounds, *Fused materials, Decomposition

SLA TT-14-31093

(Chemistry--Physical TT, v. 10, no. 12)

63-22818

I. Smirnov, M. V.
II. Ivanovskii, E. E.
III. K-H-8024-b
IV. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

On the Form of Equilibrium Curves of Binary Alloys,
by A. K. Gorbatenko, D. S. Kamenetskaya.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 2, 1957,
pp 481-484.

Fulmer Res Inst
Stoke Poges, Bucks.

Rcd - Chem

1026, 112

Sep 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

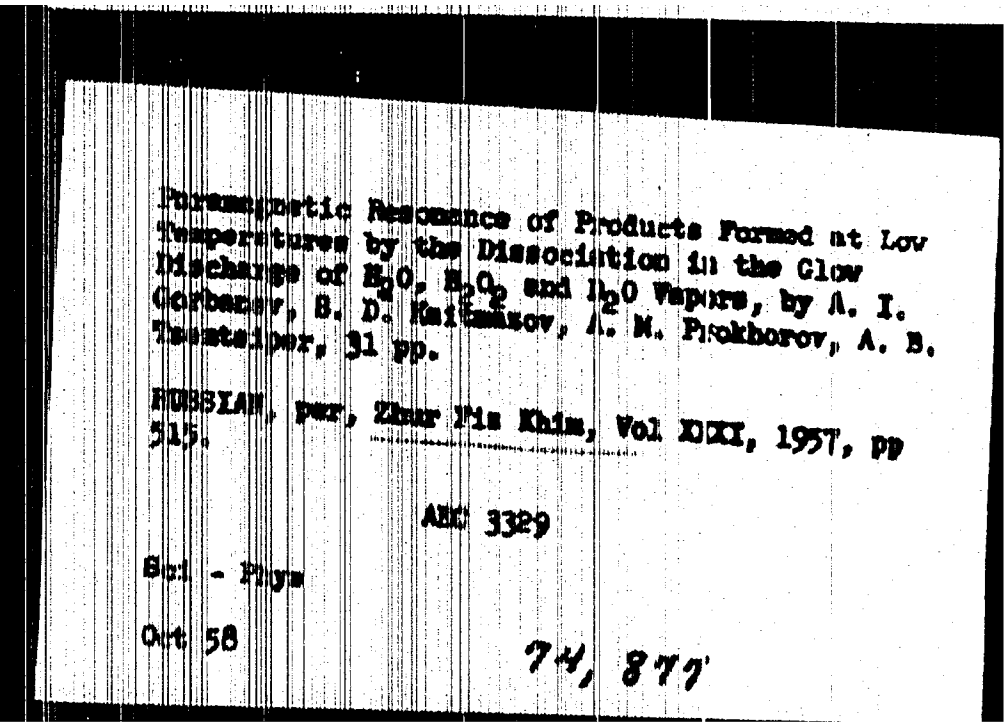
Kinetic Study of the Dimerization of Cyclopentadiene, by M. I. Shuikin, T. I. Naryshkina, 9pp RUSSIAN, per, Zhurnal Fiz Khim, Vol 31, 1957, No 2, pp 493-497
CIA TT-64-30126

Sci - Chem
May 67

326,654

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Paramagnetic Resonance of Products Formed at Low Temperatures by the Dissociation in the Glow Discharge of H_2O, H_2O_2 and D_2O Vapors, by A. I. Gerbacev, B. D. Kaikmazov, A. M. Prokhorov, A. B. Taubenberr, 31 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 515.

AEC 3329

Sci - Phys

Oct 58

74, 877

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Determination of the Structural Nature and Specific Surface of a Porous Body According to the Isotherm of Desorption, by B. V. Deriagin.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 2, 1957, pp 515-518.

CSIRO

Sci - Chem

Feb 62

186,566

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Structure of Some Liquids. II. Structure of Water and of Aqueous Solutions of Electrolytes, by O. Ya. Samoilov,

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 3, 1957, pp 537-553.

ATS RJ-1261

Sci - Phys, Chem
Apr 60

114,575

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Intermediate Reactions of Cyclohexyl Hydroperoxide, Cyclohexanol, and Cyclohexanone during the Oxidation of Cyclohexane in a Glass Reactor, by I. V. Berezin, B. G. Dzantiev. 12 pp.
RUSSIAN, per, Zhur Fiz Khim, 1957, vol 31, No 3, pp 554-562.
SLA TT 64-18410

Jul 66

305, 463

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

16 302

Fr-2

NEFEDOV V. D., ANDREEV V. I.

Examination of the chemical condition of RaE appearing as a result of the disintegration of RaO entering into the composition of certain phenylic derivatives

Etude de l'état chimique du RaE, apparaissant par suite de la désintégration du RaO, entrant dans la composition de certains dérivés phénylliques

Zhur. Fiz. Khim., 31, No. 3, 563-572 (1957)

F/R, 1540 French

Euratom

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

An Analysis of the Thermodynamic Properties of Argon, Nitrogen and Argon - Nitrogen Mixture by the Methods of Statistical Thermodynamics, by T. A. Rogovaya, I. F. Kuhkin, 15 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1957, pp 573-583.

AEC UCRL Tr 368

Sci - Phys
Feb 59

81,280

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Use of the Theory of Similarity for Describing the Properties of Liquids, by L. P. Filippov, 56 pp.

RUSSIAN, Rept, Zhurnal Fizicheskoi Khimii, Vol I, 1957, pp 582-588. 9060464

ABC-UCRL-trans No 835(L)

217, 8:9

Sci - Chem
Dec 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Tautomerism of Some Derivatives of Heterocyclic Compounds, by Yu. M. Sheynker, T. V. Gontcharova, T. P. Sychova, 9 p.

RUSSIAN, par, Zhur Fiz Khim, 1957, Vol XXXI, No 3, pp 599-611.

BLA 59-20150

Bal
Feb 60
Vol 2, No 12

108 237

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Correlation in the Selection of Solid Catalysts.
I. Relationships Between Catalysts of Homogeneous and Heterogeneous Reactions of the Acid-Base Type, by
L. I. Kuzo, S. Z. Roginskiy.

RUSSIAN, per Zhur Fiz Khim, Vol XXXI, No 3, 1957,
pp 612-625.

ATS RJ-1103

Sol - Phys, Chem
Apr 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Reduction of Oxalic Acid at the Mercury Electrode, by G. M. Floryanovich.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 3, 1957, pp 620-640.

DSIR LLU RTS 1592

Sci - Chem

Oct 60

130, 711

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Thermodynamics of Molten Mixtures of Chlorides of Alkaline Metals and Thorium, by M. V. Smirnov, L. E. Ivanovskiy, 13 pp.

RUSSIAN, per., Zhur Fiz Khim, Vol XXXI, 1957, pp 640-647.

AEC Tr 3278

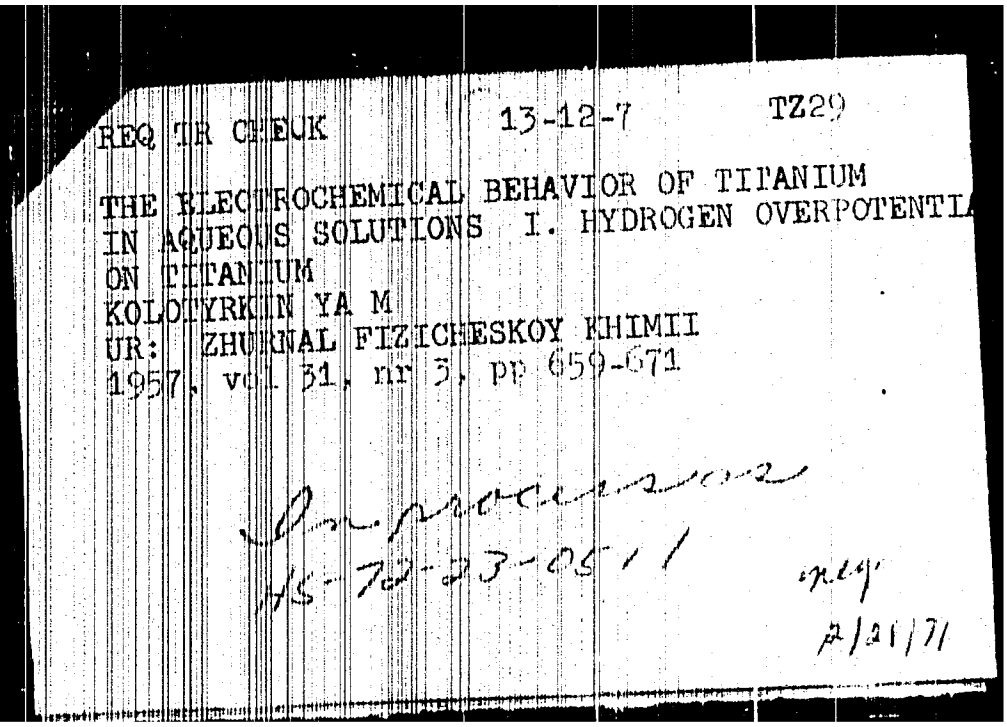
Sci - Chem

Sep 58

73, 761

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



REQ TR CHEUK 13-12-7 TZ29

THE ELECTROCHEMICAL BEHAVIOR OF TITANIUM IN AQUEOUS SOLUTIONS I. HYDROGEN OVERPOTENTIA ON TITANIUM

KOLOTYRKIN YA M

UR: ZHURNAL FIZICHESKOY KHIMII

1957, vol 31, nr 3, pp 659-671

Ref. Mechanics

AS-72-23-0511

mkp

2/21/71

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

REC TR CHECK 13-12-7 TZ2?

THE ELECTROCHEMICAL BEHAVIOR OF TITANIUM IN AQUEOUS SOLUTIONS I. HYDROGEN OVERPOTENTIA ON TITANIUM

KOLOTYRKIN YA M

UR: ZHURNAL FIZICHESKOY KHIMII

1957, vol 31, nr 3, pp 650-671

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Dissociation Constant of the Pyrophosphate Complex of Magnesium and the Heat Effect of Its Formation in Aqueous Solution, by V. P. Vasil'yev, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 3, 1957, pp 698-698.

ORB 60-17703

Sol
Mar 62
Vol 4, No 4

187,754

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Addition of Carbon Tetrachloride to Vinyl Butyl Ether Under the Action of γ-radiation, by T. S. Nikitina, K. S. Bagdasar'yan, 10 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 704-707.

3LA/R-2674

Sci
Apr 59

84, 456

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

A Study of the Phase Diagram of the System Zirconium-Boron I. Formation of a Solid of Boron in Zirconium, by V. A. Epel'baum, M. A. Gurevich.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 3, 1957, pp 708-711.

Dept of Int,
Bur of Mines,
Electrotech Exper Sta,
Norris, Tenn

Sol - Chem
Nov 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

A New Sampling Device for Chromatographic Analysis,
by M. V. Chmutov, V. T. Avgul,

[illegible], Zhur Fiz Khim, Vol XXXI, No 3, 1957,
pp 724-725.

ATD RJ-951

Sci - Eng
Jul 58

91,260

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

On the Article by J. M. Hansberger "Theoretical Chemistry in Russia", by G. V. Chelintsev.
UNCLASSIFIED

RUSSIAN, per. Zhur Fiz Khim, Vol XXXI, No 3, 1957, pp 725-731.

Assoc Tech Sv (ATS) 43X20M

(possibly DSIR/TCL Tr 104)

Sci - Chem
Sep 58

74,761

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The State of Aggregation of Luminescent Organic Compounds in Polystyrenes, by I. E. Poni, E. E. Baroni, V. N. Shcmilla, 8 pp.

RUSSIAN, Per, Zhur Fiz Khim, Vol XXXI, 1957, pp 732-733.

AEC Tr TT-749

Bel - Khim

Sep 58

73, 743

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

[redacted]

The Mechanism of Heterogeneous Catalysis and
the Question of Catalytic Dehydrogenation,
by A. A. Khaladin. 4037047

USSR/HF, per, Zhur Fiz Khim, Vol XXXI, No 4,
1957, pp 743-759.

Anson Tech Serv RJ-1995
" " " 47428

Sci - Chem

Apr 29

85, 283

[redacted]

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

S-5274 (MT-2747).

The Kinetics of Crystallization Processes of Solutions and Melts, by A. K. Fkryabin, 19 pp.

RUSSIAN, per, Zhur Fiz Khim, No 4, Apr 1957, pp 780-791.

JPRS-L-930-M

Sci - Chem, Crystallization
Sep 59

96,266

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Smirnov, M. V. and Ivanovskii, L. E.
REDUCTION OF Th^{4+} IONS IN CHLORIDE MELTS BY METALLIC THORIUM. [1963] 10p (figs omitted).
Order from K-H $10.00 K-H 8024-c

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1957, v. 31 [no. 1] p. 802-807.

DESCRIPTORS: Thorium, Ions, Reduction (Chemistry), Chlorides, Melting

(Metallurgy, TT, v. 11, no. 1)

63-22799

I. Smirnov, M. V.
II. Ivanovskii, L. E.
III. K-H-8024-c
IV. Kreage-Hooker Science Library Associates, Detroit, Mich.

TT-63-32031

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Problem of Degenerative Branching. Part II. The Role of Formaldehyde in the Oxidation of Methane, by L. V. Karmilova.

RZhKhim, per, Zhur Fiz Khim, Vol XXXI, No 4, 1957, pp 851-864.

MLL RRI 1882

Sci - Chem

Apr 60

189, 8.10

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Filippov, L. P.
USE OF THE THEORY OF SIMILARITY FOR DESCRIBING THE PROPERTIES OF LIQUIDS, tr. by Sergey Shewchuck. July 62, 56p. 32 refs.
Order from OTS or TLA $5.60 UCRL Trans-835(L)

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1957, v. 31, p. 582-588, 1136-1139, 1999-2003, 2435-2437; 1958, v. 32, p. 760-761, 980-989.

DESCRIPTORS: *Liquids, Physical properties, Theory, *Vapor pressure, Temperature, Viscosity, Density, Crystallization, *Thermodynamics, Fluid dynamics.

Contents:
General methods
Extrapolation of the temperature dependence of the pressure of saturated vapors and of orthobaric density
(Chemistry--Physical, TT, v. 9, no. 7) (over)

63-15048

I. Title: Similarity law
I. Filippov, L. P.
II. UCRL-Trans-835 (L)
III. Lawrence Radiation Lab., U. of California, Berkeley

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Porous Structure of Titanosilica Gels and Aluminosilica Gels and Their Catalytic Activity, by A. I. Rastrenenko, et al. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 4, 1957, pp 874-881.

Co-Op Tr Scheme 504

Sci - Chem
Dec 58

78,050

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

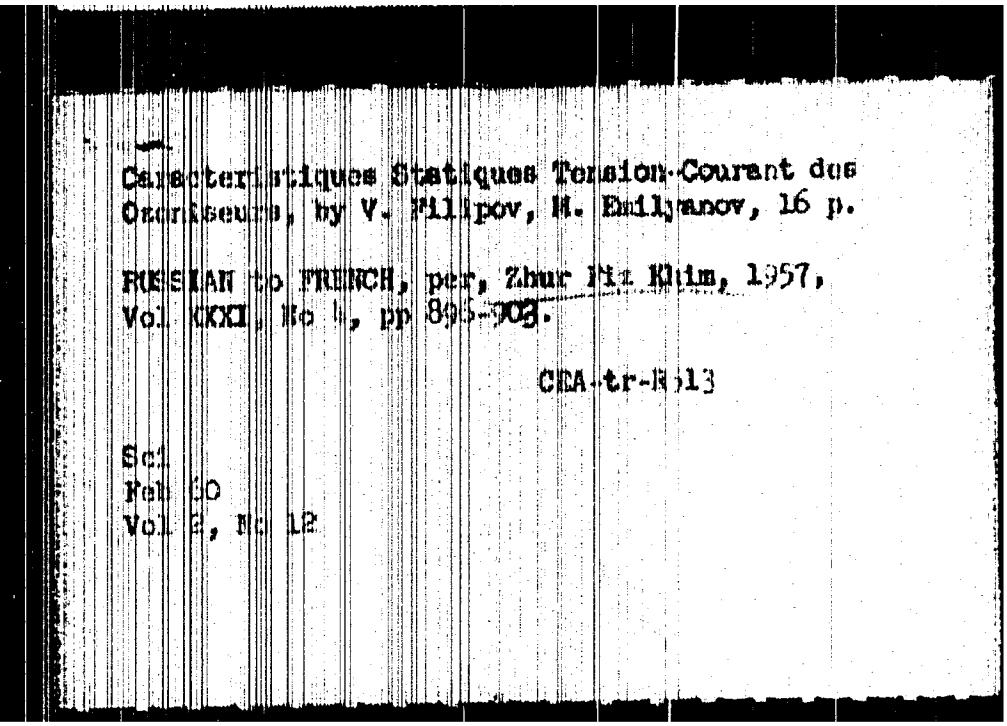
APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

RUSSIAN, mo per, Zhur Fiz Khim, Vol XXXI, 1957, pp 896

*ATIC

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Caracteristiques Statiques Torsion-Courant des Ordinateurs, by V. Filipov, M. Emilyanov, 16 p.

RUSSIAN to FRENCH, per, Zhur Fiz Khim, 1957, Vol XXXI, No 1, pp 895-903.

CIA-tr-R513

Sci
Feb 60
Vol 2, No 12

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

(NY-1527)

The Kinetics and Mechanism of Catalytic Transformation of Acetylene. 1. Kinetics of Liquid Phase Hydration of Acetylene in the Presence of Mercury Salts, by R. M. Flid, T. I. Moiseyev, Ye. M. Malmykova, 9 pp.
UNCLASSIFIED

RUSSIAN, mo per, Zhur Fiz Khim, Vol XXXI, No 4, Moscow, Apr 1957, pp 904-911.

US JPRS/NY-L-77

62,580

Sci - Chem
May 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

S-72/60 (NY-3575).

A Method for Investigating the Hydrogen Isotope Exchange in a Liquid Deuterium Fluoride Medium, by Ya. M. Varshavskiy, M. G. Lozhkina, 9 pp.

RUSSIAN, Zhur Fiz Khim, Vol XXXI, No 4, 1957, pp 911-915.

JPRS 2394

Sci - Chem
Apr 60

112, 614

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Specific Catalytic Activity of Metals, by G. K. Boreskov.

RUSSIAN, pur, Zhur Fiz Khim, Vol XXXI, No 5, 1957, pp 937-951.

ATS RJ-1075

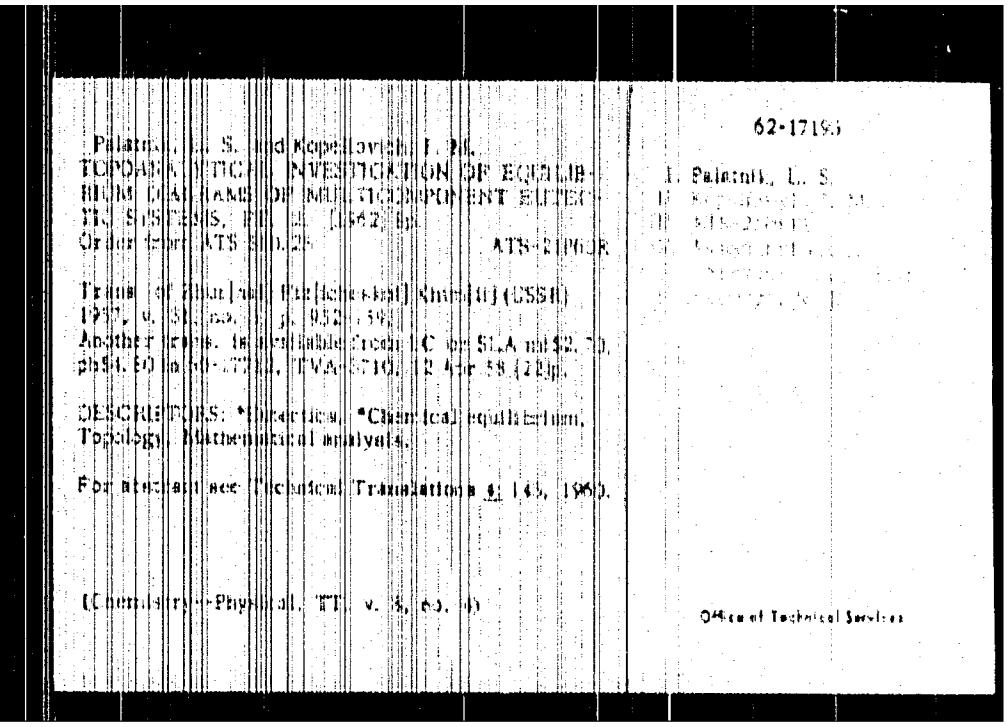
Sci - Chem

Jul 59

90,851

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



62-17195

Palamodov, L. S. and Kopelovich, I. Ya.
TOPOLOGICAL INVESTIGATION OF EQUILIBRIUM CONFIGURATIONS OF MULTICOMPONENT SYSTEMS. [1962] 6p.
Order from: ATS $0.25 ATS-62-[illegible]

Trans. of Zhurnal Fizicheskoi Khimii (USSR)
1957, v. 31, no. 4, p. 852-59.
Another trans. is available from OTS at $2.50, ph$4.60 in 60-[illegible], TVA-5710, 12 Apr 58 (22p).

DESCRIPTORS: *Operations, *Chemical equilibrium, Topology, Mathematical analysis.

For abstract see Technical Translations 1: 145, 1958.

(Chemistry--Physical, TT, v. 5, no. 4)

1. Palamodov, L. S.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

15 801 Fr-2

NEFEDOV V. D., BELYI M. P.

Investigation into the chemical state of thorium C formed by the disintegration of thorium B entering into the composition of certain phenylated derivatives of lead

Etude de l'état chimique du thorium C formé par désintégration du thorium B entrant dans la composition de quelques dérivés phénylés du plomb

Zhur. Fiz. Khim., 31, No. 5, 986-995 (1957)

F/R. 1346 - French

Euratom

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Solubility of Thorium in Liquid Zinc, by M. V. Smirnov, N. G. Ilyushchenko, S. P. Dertkov, L. E. Ivanovskiy, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 1013-1018.

AEC Tr 3207

Sci - Chem

May 58

64,818

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Investigation of the Mechanism of Radical Reactions. IV. The Mechanism of the Formation of Diphenyls in the Decomposition of Benzoyl and 4-Nitrobenzoyl Peroxide in Benzene and Nitrobenzene, by R. I. Milyutinskaya, et al. VHCY.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 5, 1957, pp 1019-1026.

DSIR IIU MIS 1035

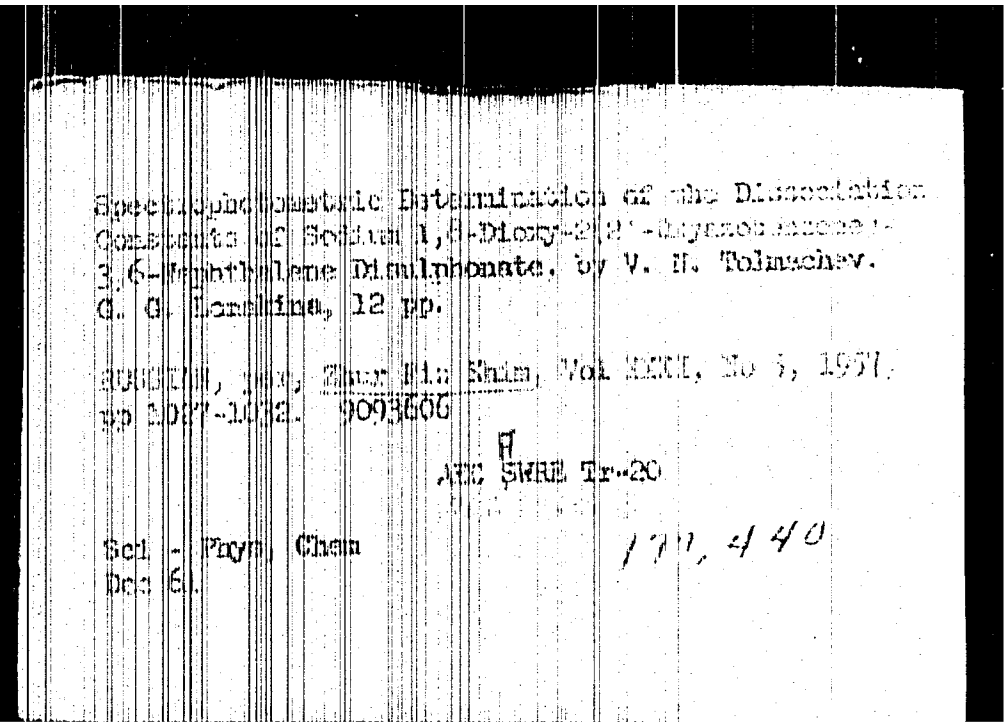
109,196

Ll. Oa. Od. anywhere

Bdl + Chem
Oct 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Spectrophotometric Determination of the Dissociation Constants of Sodium 1,8-Dioxy-2,7'-disazonaphthalene-3,6-Naphthalene Disulphonate, by V. N. Tolmachev. G. G. Borodina, 12 pp.

[illegible], Zhur Fiz Khim, Vol XXXI, No 5, 1957, pp 1067-1078. 9093606

AEC, SHRL Tr-20

Sci - Phys Chem
Dec 61.

177, 440

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Effect of Camphor Concentration on the Mercury Electro-Capillary Curves and the Electrode Processes at a Cadmium Amalgam Dropping Electrode, by A. G. Stromberg, L. S. Zaginaova, [illegible] pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 5, 1957, p 1092-1095.

ATS-55718R

Sci

Jul 59

92,435

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Graphical Method of Determining Combustion Temperatures of Organic Compounds, by P. G. Maslov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 5, 1957, pp 1063-1071.

Natl Res Council, Canada
TT No 779

Sci - Chemistry

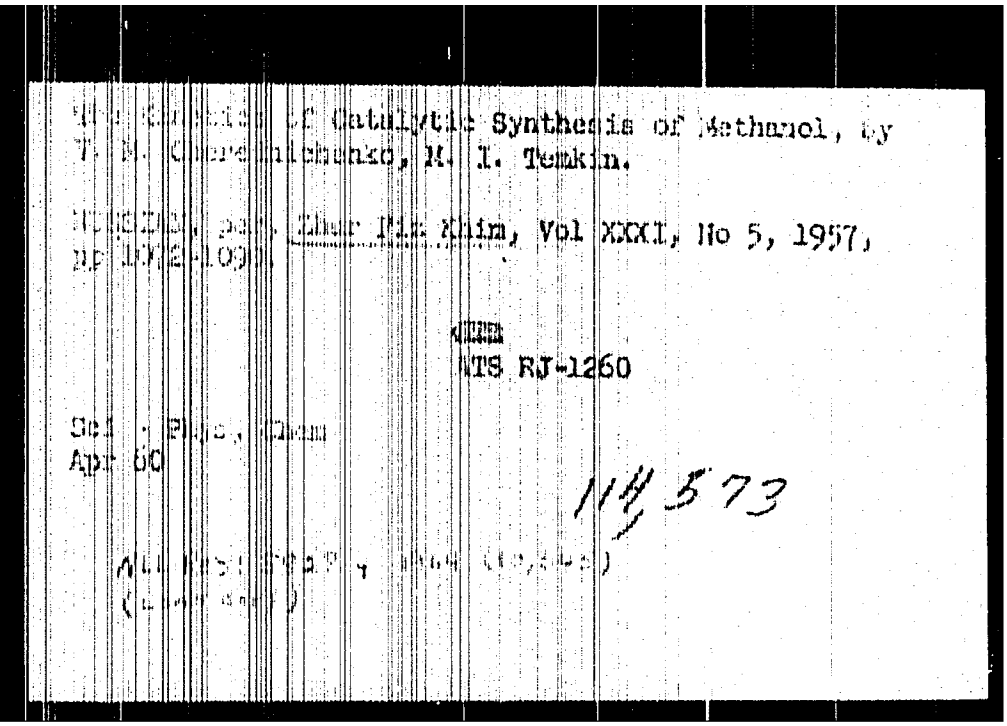
Apr 60

TT-64-32103

112,644

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Catalytic Synthesis of Methanol, by
[illegible] Tenkin.

Zhur Fiz Khim, Vol XXXI, No 5, 1957,

NTS RJ-1260

Sci Pubs, Chem
Apr 60

11Y 573

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

[redacted]

Remarks on the Anodic Effect in the Electrolytic Production of Aluminum, by L. N. Antipin, N. G. Turin, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 9, 1957, pp 2106-2110.

Morris D. Friedman
$5.50

Sol - Electronics, Minerals/Metals
Mar 58

84,395

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

[redacted] Decomposition Rate of Combustion Reactions, 4 pp.

RUSSIAN, Zhur Fiz Khim, No 5, 1957, pp 1175-1176.

AF 112048

Sci - Physics
Acc: 50

69, 45 5

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

X-Ray Structural Investigation of Galvanic Nickel-Iron Alloys, by M. D. Fedorova, 6 pp.

[illegible], per, Zhur Fiz Khim, Vol XXXII, No 6, 1958, pp 1211-1213.

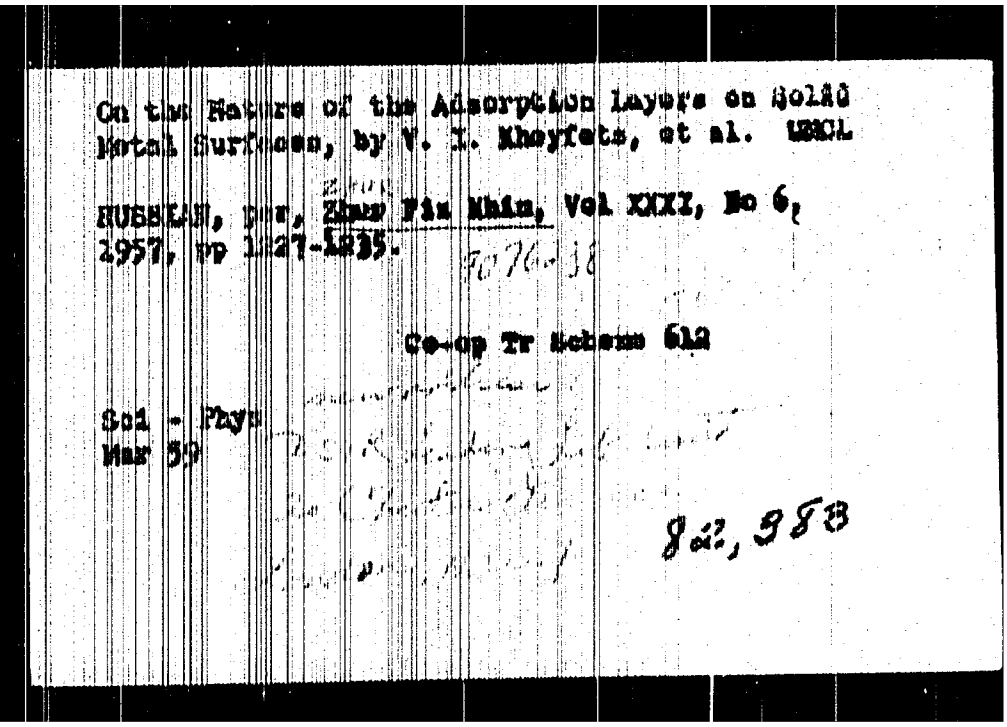
(MLA 50-1778)

Gen
Vol III, No 5
Mar 60

188, 460

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



On the Nature of the Adsorption Layers on Solid Metal Surfaces, by V. I. Khoyrets, et al. USSR

RUSSIAN, Fiz, Zhur Fiz Khim, Vol XXXI, No 6, 1957, pp 1127-1135.

Co-op Tr Letters 612

Sol - Phys
Mar 59

Jd, 988

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Effect of Boric Acid on the Cathodic Polarization in the Electrodeposition of Nickel and Cobalt, by Z. A. Solov'eva, et al. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 6, 1957, pp 1348-1356.

Co-op Tr Bahmo 551

Sol - Physics
Mar 58

82,036

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Gaseous Initiation by Nitrogen Dioxide of the Liquid Phase Oxidation of Cyclohexane, by E. T. Denisov, N. M. Emanuel. UNCL

RUSSIAN, por, Zhur Fiz Khim, VolXXXI, No 6, 1957, pp 1266-1275.

NSIR LIU (1oom) M.312

Sci - Chem
Jul 59

90, 148

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Investigation of the Surface Properties of Powdered Metallic Catalysts and Adsorbents by the Charging Curve Method, by Yu. A. Fodvyazkin, A. I. Shlygin, 11 pp.
RUSSIAN. Zur. Zh. Fiz. Khim. Vol 31, 1957, pp 1305-1310. P911159868
AEC-tr-195

Sci/Phys
Jul 60

361,217

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Flow Mechanism Of Polyvinyl Chloride by V.A. Kargin and T.I. Sogolva.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol XXXI, No 6, 1957, pp 1328-1336.

CSIRO

Oct. 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Sorption of Methanol Vapor on Dehydration Catalysts Over a Wide Range of Temperatures, by I. V. Smirnova, et al.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 6, 1957, pp 1337-1343.

ATS RJ-1275

Sci - Phys, Chem
Apr 60

1.14/567

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

S-78/60 (NY-3552).

The Separation of Stable Isotopes of Nitrogen by the Chemical Exchange Method. I., by G. M. Panchankov, I. M. Lebedev, A. A. Ivanova, et al, 13 pp.

RUSSIAN, pub: Zhur Fiz Khim, Vol XXXI, No 6, 1957, pp 1359-1368.

JPRS 2475

Sci - Chem
May 60

116 676

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

A Study of the Hydrogen Exchange Reaction With the Aid of Liquid Hydrogen Fluoride, by Ya. M. Varshavskiy, M. G. Lozhkin, A. I. Shatenshtein, 16 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 1377-1386.

AEC Tr 3213

Bel - Chem

May 58

64, 817

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Tetramethylethylene -- A New Inhibitor and Initiator for the Cracking of Paraffinic Hydrocarbons, by A. D. Stepukhovich, et al.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 7, 1957, pp 1437-1444.

AFB RJ-1178

Sci - Phys, Chem
Apr 60

114 543

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Calculation of the Isotopic Effect in the Vapor Pressure of Water and Methane, by G. G. Deviatykh, 5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 1445-1447.

AEC Tr-4442

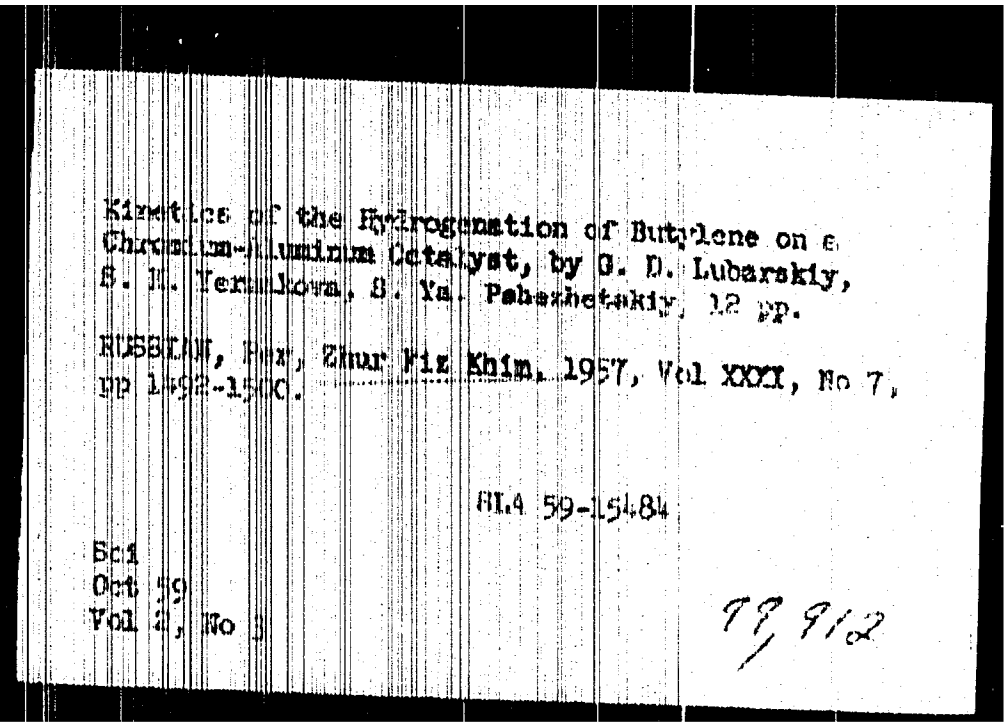
Sci - Phys, Chem
Oct 61

171.212

List 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Kinetics of the Hydrogenation of Butylene on a Chromium-Aluminum Catalyst, by G. D. Lubarskiy, E. I. Yermakova, S. Ya. Pshezhetskiy, 12 pp.

RUSSIAN, Fiz, Zhur Fiz Khim, 1957, Vol XXXI, No 7, pp 1492-1500.

AT4 59-15484

Sci
Oct 59
Vol 2, No 3

TT 912

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Computation of Smoothing in the Electrochemical Polishing of Metals, by S. L. Krichmar, 12 pp.

RUSSIAN. [illegible]er, Zhur Fiz Khim, Vol XXXI, 1957, pp 1593-1599.

SLA R-3125

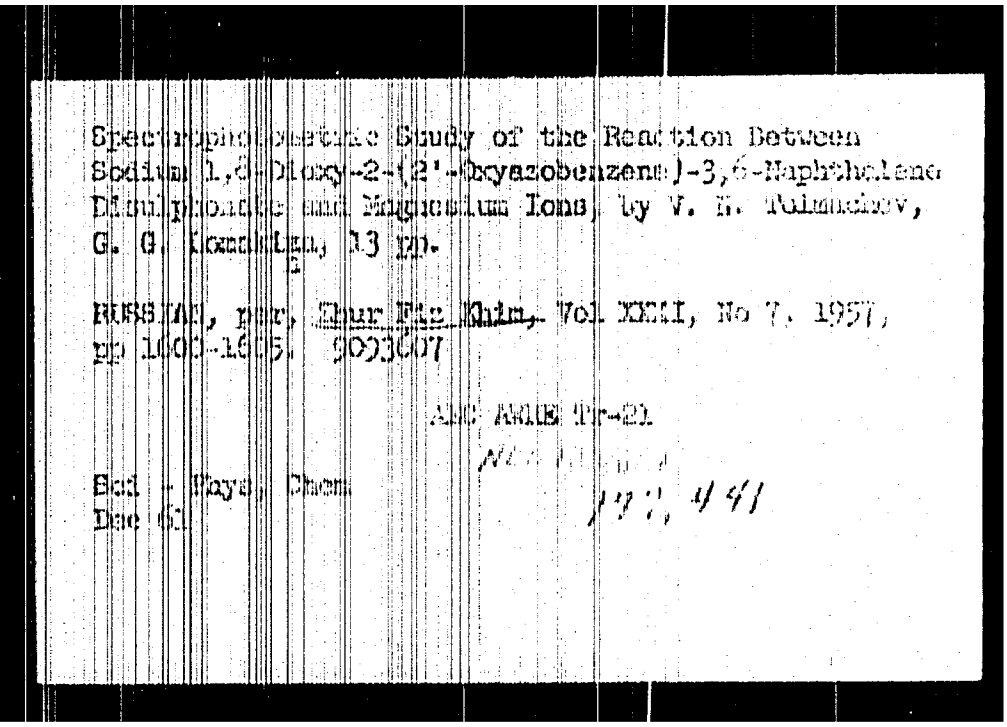
Sci

Jul 59

92,720

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Spectrophotometric Study of the Reaction Between Sodium 1,8-Dioxy-2-(2'-Oxyazobenzene)-3,6-Naphthalene Disulphonate and Magnesium Ions, by V. N. Tolmachev, G. G. Kozmidi, 13 pp.

RUSSIAN, pub, Zhur Fiz Khim, Vol XXXI, No 7, 1957, pp 1603-1606, 9003007

AEC ARIS Tr-21

Bat - Phys, Chem
Dec 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Turbulent Diffusion and Combustion of Atomized Fuel in a Stream, by V. Ya. Rasevich.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 7, 1957, pp 1619-1625.

Assoc Tech Serv RJ-1417
" " " 60X23R

Bkl - Chem

Apr 59

85,301

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Electrical Theory of OzonizersII. Theory of the Dynamic Characteristics of Ozonizers, by Yu. Khel'yanov, Yu. Filippov.

RUSSIAN, per Zhur Fiz Khim, Vol XXXI, No 7, 1957, pp 1628-1635.

CSIRO 4008

Sci - Electron
Aug 62

211,337

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

Approximate Solution Of Certain Higher Degree Equations Arising In Calculations Of Chemical Equilibria I. Nomographic Method. by A.V.Voronov.

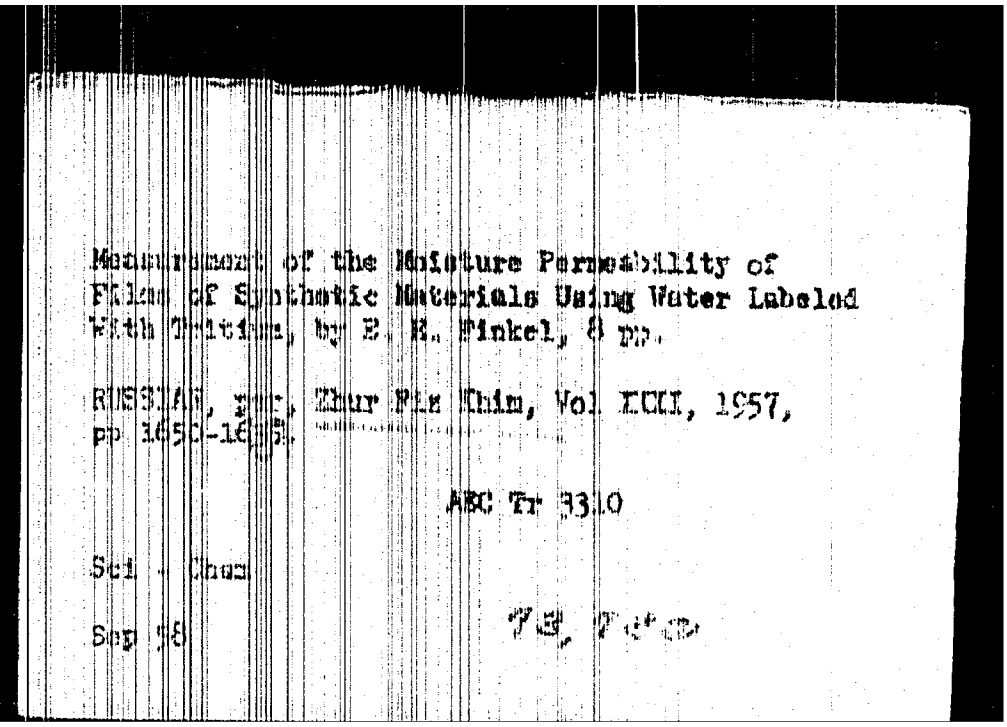
RUSSIAN, Per, Zhurnal Fizicheskod Khimii, Vol XXXI, No 7, 1957, pp 1643-1649.

CSIRO

Oct. 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Measurement of the Moisture Permeability of
Films of Synthetic Materials Using Water Labeled
With Tritium, by E. M. Pinkel, 8 pp.

RUSSIAN, Zhur Fiz Khim, Vol XXXI, 1957,
pp 1651-1656.

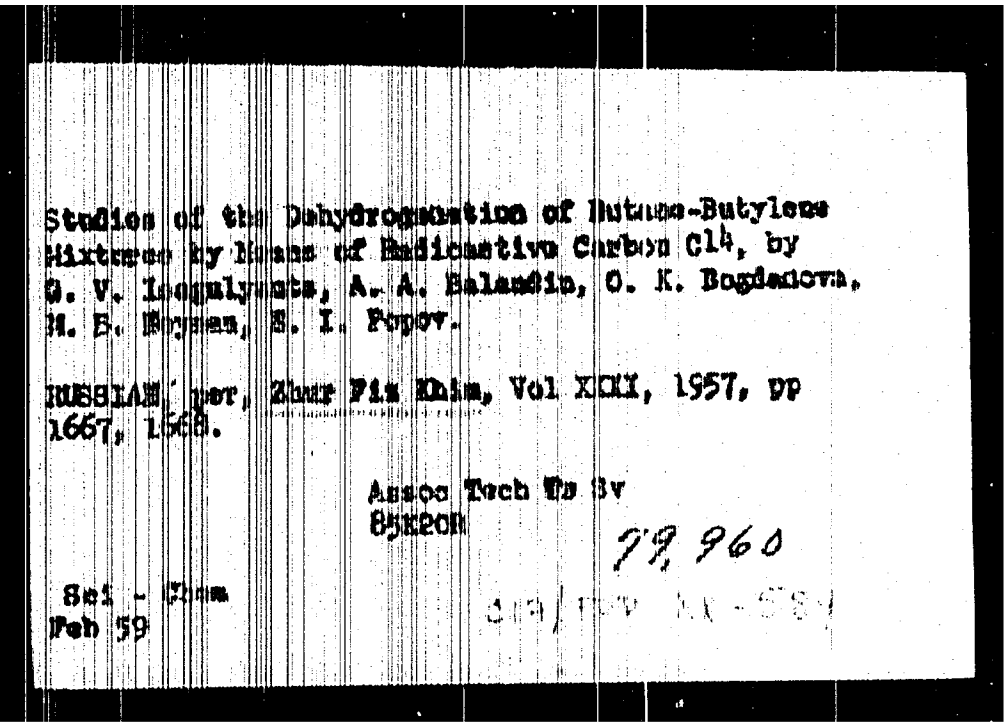
ABC Tr 3310

Sci - Chem

Sep 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Studies of the Dehydrogenation of Butane-Butylene Mixtures by Means of Radioactive Carbon C^{14}, by G. V. Isagulyants, A. A. Balandin, O. K. Bogdanova, M. B. Neyman, S. I. Popov.

RUSSIAN paper, Zhur Fiz Khim, Vol XXXI, 1957, pp 1667, 1668.

Assoc Tech Ts Sv
Sbkzon

79,960

Sci - Chem
Feb 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

11 759 GE-1

VYAKHIREV D. A., BRUK A. I.

The influence of experimental parameters on the chromatographic separation of substances in the gas or vapor phase

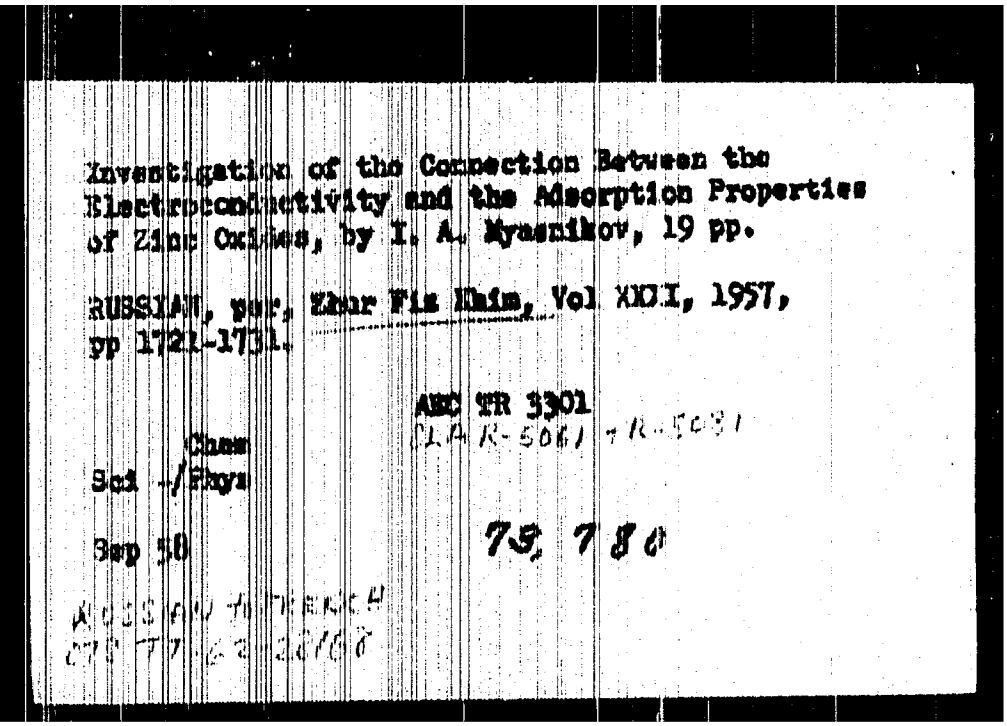
Der Einfluss von Versuchsparametern auf die chromatographische Trennung von Stoffen in der Gas- oder Dampfphase

Zhur. Fiz. Chim., 31, No. 8, 1713-1720 (1957) - German

Euratom

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Investigation of the Connection Between the Electroconductivity and the Adsorption Properties of Zinc Oxides, by I. A. Myasnikov, 19 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp 1721-1731.

AEC TR 3301
CIA R-5081 + R-5081

Chem
Sci -/Phys

Sep 58

75, 780

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

On the Tautomerism of Some Heterocyclic Derivatives. Part IV. The Spectra and Structure of Benzenesulfonamides and Sulfanilamides of the Thiazole and Thiadiazole Series, by Yu. N. Sheinker. RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 31, No 8, 1957, pp 1745-1755. NTC-70-13086-07C

Feb 72

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

On the Relation Between the Dipole Moment and Surface Tension, by O. A. Osipov, I. K. Shelomov, 10 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol. XXXI, No 8, 1957, pp 1757-1762.

SLA R-1126

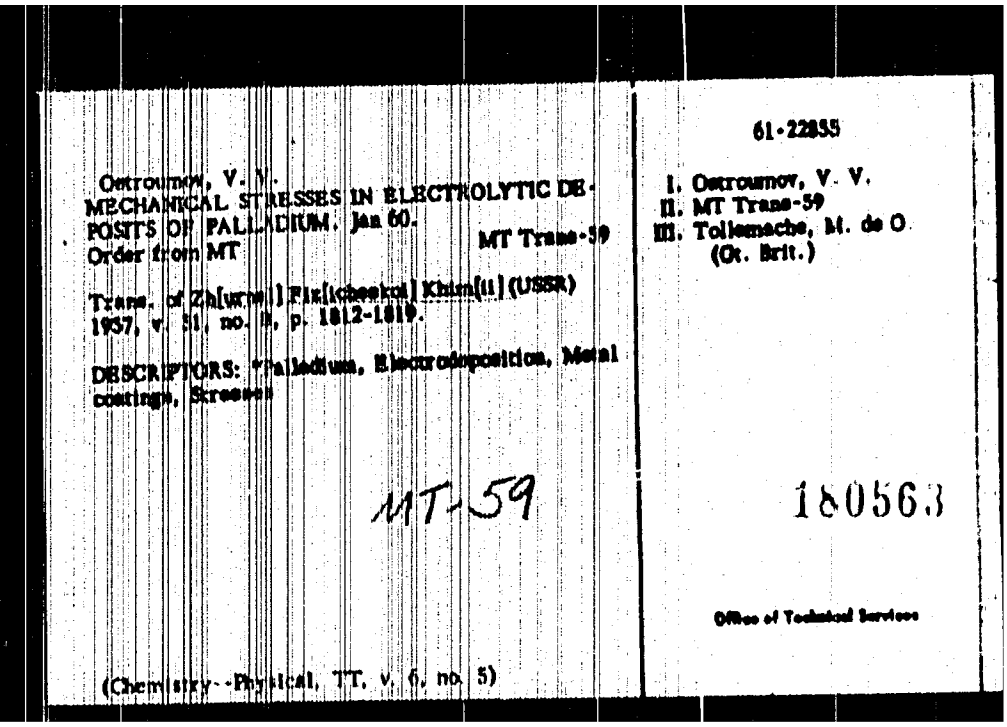
Sec

Jul 59

91,339

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



Ostroumov, V. V.
MECHANICAL STRESSES IN ELECTROLYTIC DEPOSITS OF PALLADIUM. Jan 60.
Order from MT MT Trans-59

Trans. of Zh[urnal] Fiz[icheskoi] Khim[ii] (USSR)
1937, v. 51, no. 8, p. 1812-1819.

DESCRIPTORS: *Palladium, Electrodeposition, Metal coatings, Stresses

MT-59

(Chemistry--Physical, TT, v. 6, no. 5)

61-22855

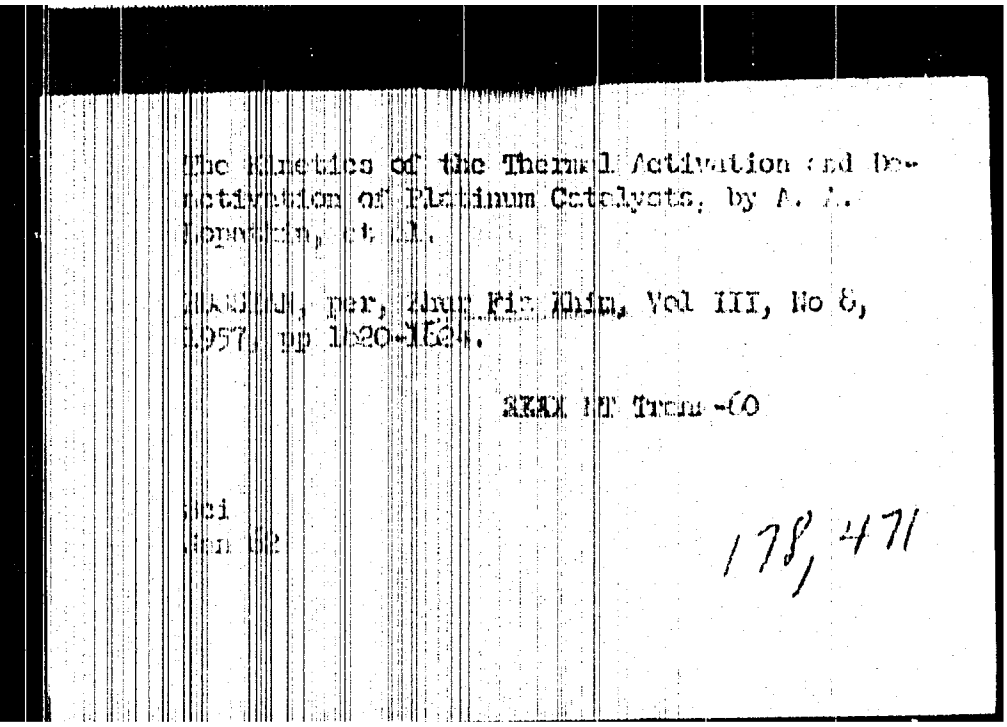
I. Ostroumov, V. V.
II. MT Trans-59
III. Tollemache, M. de O (Gt. Brit.)

180563

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



The Kinetics of the Thermal Activation and Deactivation of Platinum Catalysts, by A. A. Tsyganov, et al.

Kinetika i Kataliz, Vol III, No 6, 1957, pp 1820-1824.

[illegible] Trans-60

[illegible]
[illegible]

178, 471

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

S-138/60 (RY-3713).

Measuring the Melting Points of Aluminum and Copper at Pressures up to 18,000 Kilograms per Centimeter, by M. G. Gonikberg, G. P. Shalkhovskiy, V. P. Butuzov, 7 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 8, 1957, pp 1839-1842.

JPRS 2541

114 713

Sci - Engn
Apr 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

The Physical Chemistry of Concentrated Ozone. Part II. Investigation of the Synthesis of the Higher Peroxide of Hydrogen H_2O_4 in the Reaction of Concentrated Ozone With Atomic Hydrogen, by E. A. Kobozev, et al.

ZHBIAH, per, Zhur Fiz Khim, Vol XXXI, No 8, 1957, pp 1843-1850.

Navy Tr 1962/T-32

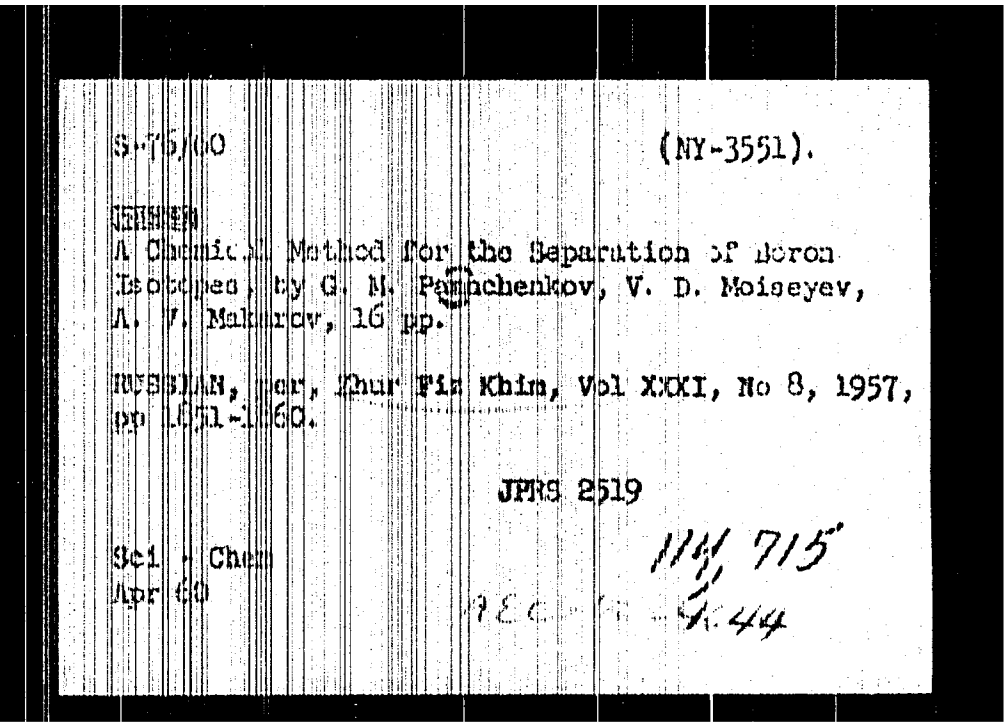
Gen - Chemistry
Pam 50
(Formerly NSIR/TGL-109)

Coop Tr Sch 564

78,024

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



S/75/60 (NY-3551).

[illegible]
A Chemical Method for the Separation of Boron Isotopes, by G. M. Panchenkov, V. D. Moiseyev, A. V. Makarov, 16 pp.

[illegible]AN, [illegible]ar, Zhur Fiz Khim, Vol XXXI, No 8, 1957, pp 1671-1760.

JPRS 2519

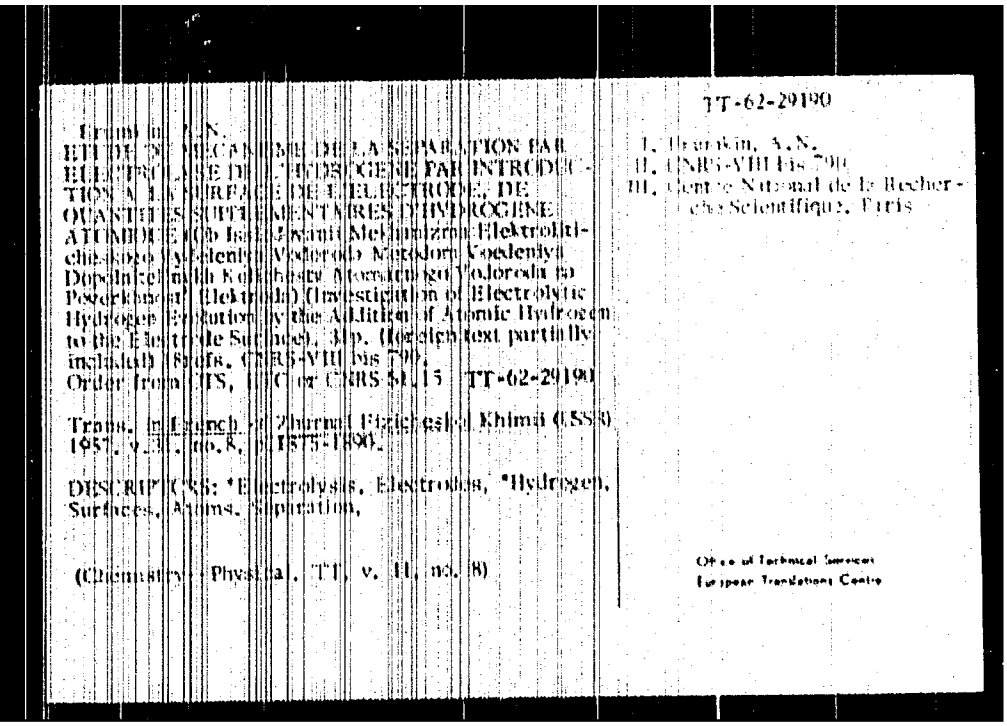
Sci - Chem
Apr 60

114, 715

[illegible] 44

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3



TT-62-29190

Erumkin, A.N.
ETUDE DE LA SEPARATION PAR ... DE L'HYDROGENE PAR INTRODUCTION ... A LA SURFACE DE L'ELECTRODE DE QUANTITES SUPPLEMENTAIRES D'HYDROGENE ATOMIQUE [Ob Issledovanii Mekhanizma Elektrolitich-eskogo Vydeleniya Vodoroda Metodom Vvedeniya Dopolnitel'nykh Kolichestv Atomarnogo Vodoroda na Poverkhnost' Elektroda] (Investigation of Electrolytic Hydrogen Evolution by the Addition of Atomic Hydrogen to the Electrode Surface). 31p. (English text partially included) 8 refs. CNRS-VIII bis 700.
Order from: OTS, [illegible] Cat. CNRS 51.15 TT-62-29190

Trans. [from French] Zhurnal Fizicheskoi Khimii (USSR) 1957, v. 31, no. 8, p. 1875-1890.

DESCRIPTORS: *Electrolysis, Electrodes, *Hydrogen, Surfaces, Atoms, Separation.

(Chemistry - Physical, TT, v. II, no. 8)

I. Erumkin, A.N.
II. CNRS-VIII bis 700
III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660045-3